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- (71) Applicant (*for all designated States except US*): **CARL ZEISS SMT AG** [DE/DE]; Carl-Zeiss-Strasse 22, 73447 Oberkochen (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **SHAFER, David** [US/US]; 56 Drake Lane, Fairfield, CT 06430 (US). **DODOC, Aurelian** [RO/DE]; Hainbuchenweg 7, 73447 Oberkochen (DE). **EPPLER, Alexander** [DE/DE]; Langerstrasse 38, 73431 Aalen (DE). **ULRICH, Wilhelm** [DE/DE]; Lederackerring 44, 73434 Aalen (DE). **SCHUSTER, Karl-Heinz** [DE/DE]; Rechbergstrasse 24, 89551 Koenigsbronn (DE).
- (74) Agent: **PAE RUFF, WILHELM, BEIER, DAUSTER & PARTNER**; Kronenstrasse 30, 70174 Stuttgart (DE).
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(54) Title: CATADIOPTRIC PROJECTION OBJECTIVE

(57) Abstract: A catadioptric projection objective for projecting a pattern arranged in the object plane of the projection objective into the image plane of the projection objective, having: a first objective part for projecting an object field lying in the object plane into a first real intermediate image; a second objective part for generating a second real intermediate image with the radiation coming from the first objective part; a third objective part for generating a third real intermediate image with the radiation coming from the second objective part; and a fourth objective part for projecting the third real intermediate image into the image plane.

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